

Amendments to the Specification

Please replace the paragraph at page 2, lines 17 through 21 with the following amended paragraph:

Encapsulation in PPP treats a collection of structured information as a whole without affecting or taking notice of its internal structure. Thus, a message or packet constructed according to one protocol (such as a TCP/IP packet) may be taken with its formatting data as an undifferentiated stream of bits that is then broken up and packaged according to the higher level point-to-point protocol to be sent over a particular network.

Please replace the paragraph at page 3, line 33 through page 4, line 11 with the following amended paragraph:

Figure 3 is a diagram illustrating a wireless communication network that replaces the modem 11 (described in conjunction with Figure 2) with wireless customer premises equipment (CPE) that includes a L2TP Access Concentrator (CPE/LAC) 101, and places an L2TP [[a]]Access [[c]]Concentrator (LAC) 16, 18 at each of the base stations 17, 19 in the wireless system. Customer premise equipment is typically the equipment located at the customer's site which denotes the demarcation point between the customer (or end user) and the service provider, e.g., a T1 line, wireless modem, radio, cable modem, digital subscriber line (DSL) or asymmetric digital subscriber line (ADSL) modems.

Please replace the paragraph at page 4, line 18 through 23, with the following amended paragraph:

As PC 10 moves from the transmitting range of the base station 19 to that of the base station, 17 the new base station 17 has no knowledge of the previous PPP connection to the LNS 23. LAC 16 at the base station 17, with a different IP address, cannot take over an existing L2TP/PPP session for transmitting the information. In order for the base station 17 to service the mobile end-user as PC 10 moves to become PC 10' (and CPE/LAC 101 becomes CPE/LAC 101')

in the transmitting range of base station 17, a new PPP session must be initiated by the end-user to LAC 16 associated with the base station 17 via the radio tower 17A.

Please replace the paragraph at page 7, line 11 through 20, with the following amended paragraph:

CPE/LAC 101 is assigned a Mobile IP address and is responsible for registering with the Mobile IP Home Agent (HA 25) at the home network 27 of the ISP. CPE/LAC 101 is a user communication device that connects the end user's computer to a wireless network. In this particular embodiment, the CPE/LAC 101 includes not only a wireless communication device, but also a LAC and Mobile IP Mobile Node ~~[[C]]~~ capability. The Mobile Node capability of CPE/LAC 101 ensures that, as the end-user moves between base stations, the same Mobile IP address is maintained. Although this particular embodiment shows the LAC and the Mobile IP Mobile Node capability within the CPE as a separate unit, they can also be embedded, either together or in part, in the end user device, e.g., a general purpose computer, personal computer (PC), Macintosh, Unix, personal digital assistant (PDA) or mobile telephone.